AUTHOR INDEX

Abell, S. K., and Roth, M.: Constraints to Teaching Elementary Science: A Case Study of a Science Enthusiast Student Teacher, 581
Aikenhead, G.: see Duffee, L.
Aikenhead, G. S., and Ryan, A. G.: The Development of a New Instrument: "Views on Science–Technology–Society" (VOSTS), 477
Aikenhead, G. S.: see Ryan, A. G.
Anderson, O. R.: see Dhindsa, H. S.

Barchi, B. A.: Waks, L. J.
Bloom, J. W.: The Development of Scientific Knowledge in Elementary School Children: A Context of Meaning Perspective, 399
Boylan, C. R., Hill, D. M., Wallace, A. R., and Wheeler, A. E.: Beyond Stereotypes, 465
Boyle, C. F.: see Dykstra, D. I. Jr.
Brandwein, P. F.: Science Talent: The Play of Exemplar and Paradigm in the Science Education of Science-Prone Young, 121
Brickhouse, N. W.: Ethics in Field-Based Research: Ethical Principles and Relational Considerations, 93
Brickhouse, N. W., and Tobin, K. G.: Ethics in Classroom-Based Research, 91

Chaiklin, S. D.: see Klopfer, L. E.
Champagne, A. B.: see Klopfer, L. E.
Coble, C. R., see Mattheis, F. E.
Collins, A.: Portfolios for Science Education: Issues in Purpose, Structure, and Authenticity, 451
Copolo, C.: see Smith, P. S.

Dhindsa, H. S., and Anderson, O. R.: A Model of the Effects of Rate of Teacher Communication on Student Acquisition of Information, 353
Duffee, L., and Aikenhead, G.: Curriculum Change, Student Evaluation, and Teacher Practical Knowledge, 493
Duschl, R.: see Lythcott, J.
Dykstra, D. I. Jr., Boyle, C. F., and Monarch, I. A.: Studying Conceptual Change in Learning Physics, 615

Fetherstonhaugh, T., and Treagust, D. F.: Students' Understanding of Light and Its Properties: Teaching to Engender Conceptual Change, 653
Finley, F., Lawrenz, F., and Heller, P.: A Summary of Research in Science Education—1990, 239
Fleer, M.: Identifying Teacher–Child Interaction Which Scaffolds Scientific Thinking in Young Children, 373
Friedel, A. W., and Maloney, D. P.: An Exploratory, Classroom-Based Investigation of Students' Difficulties with Subscripts in Chemical Formulas, 65

Garofalo, J., Lindgren, R., and O'Neill, T.: Knowledge Developed by a High School Teacher Participating in a Physics Research Experience, 43
Gray, C. M. R.: see Gunstone, R. F.
Gunstone, R. F., Gray, C. M. R., and Searle, P.: Some Long-Term Effects of Uninformed Conceptual Change, 175

Heller, P.: see Finley, F.
Hill, D. M.: see Boylan, C. R.
Hounshell, P. B.: see Smith, P. S.

Jegede, O. J.: see Okebukola, P. A.

Klopfer, L. E., Champagne, A. B., and Chaiklin, S. D.: The Ubiquitous Quantities: Explorations That Inform the Design of Instruction on the Physical Properties of Matter, 597
Koballa, T. R. Jr.: see Shrigley, R. L.
Kruger, C., Palacio, D., and Summers, M.: Surveys of English Primary Teachers' Conceptions of Force, Energy, and Materials, 339

Lawrenz, F.: see Finley F.
Lederman, N. G.: see Zeidler, D. L.

Lindgren, R.: see Garofalo, J.
Louden, W.: see Wallace, J.
Lythcott, J., and Duschl, R.: A Response to Lawson's Reply, "Constructivism and Domains of Scientific Knowledge," 119

Maloney, D. P.: see Friedel, A. W.
Mason, C. L.: Concept Mapping: A Tool to Develop Reflective Science Instruction, 51
Matsumoto, K.: see Mattheis, F. E.
Matsumoto, S.: see Mattheis, F. E.
Mattheis, F. E., Spooner, W. E., Coble, C. R., Takemura, S., Matsumoto, S., Matsumoto, K., and Yoshida, A., 211
McCurdy, D. W.: see Pedersen, J. E.
Monarch, I. A.: see Dykstra, D. I. Jr.

Okebukola, P. A., and Jegede, O. J.: Survey of Factors That Stress Science Teachers and an Examination of Coping Strategies, 199
O'Neill, T.: see Garofalo, J.

Palacio, D.: see Kruger, C.
Pedersen, J. E., and McCurdy, D. W.: The Effects of Hands-On, Minds-On Teaching Experiences on Attitudes of Preservice Elementary Teachers, 141
Pizzini, E. L.: see Shepardson, D. P.

Rampal, A.: Images of Science and Scientists: A Study of School Teachers' Views. I. Characteristics of Scientists, 415
Roth, M.: see Abell, S. K.
Roth, W.-M., and Roychoudhury, A.: The Social Construction of Scientific Concepts or the Concept Map as Conscription Device and Tool for Social Thinking in High School Science, 531
Roychoudhury, A.: Roth, W.-M.
Ryan, A. G., and Aikenhead, G. S.: Students' Preconceptions about the Epistemology of Science, 559
Ryan, A. G.: see Aikenhead, G. S.

Searle, P.: see Gunstone, R. F.
Shepardson, D. P., and Pizzini, E. L.: Gender Bias in Female Elementary Teachers' Perceptions of the Scientific Ability of Students, 147
Shrigley, R. L., and Koballa, T. R. Jr.: A Decade of Attitude Research Based on Hovland's Learning Theory Model, 17
Smith, P. S., Hounshell, P. B., Copolo, C., and Wilkerson, S.: The Impact of End-of-Course Testing in Chemistry on Curriculum and Instruction, 523
Spooner, W. E.: see Mattheis, F. E.
Stinner, A.: Science Textbooks and Science Teaching: From Logic to Evidence, 1
Summers, M.: see Kruger, C.

Takemura, S.: see Mattheis, F. E.
Taylor, S. C.: see Zeidler, D. L.
Thijs, G. D.: Evaluation of an Introductory Course on "Force" Considering Students' Preconceptions, 155
Tobin, K.: Ethical Concerns and Research in Science Classrooms: Resolved and Unresolved Dilemmas, 105
Tobin, K. G.: see Brickhouse, N. W.
Treagust, D. F. see Fetherstonhaugh, T.

Villani, A.: Conceptual Change in Science and Science Education, 223

Waks, L. J., and Barchi, B. A.: STS in U.S. School Science: Perceptions of Selected Leaders and Their Implications for STS Education, 79
Wallace, A. R.: see Boylan, C. R.
Wallace, J., and Louden, W.: Science Teaching and Teachers' Knowledge: Prospects for Reform of Elementary Classrooms, 507
Wheeler, A. E.: see Boylan, C. R.
Wilkerson, S.: Smith, P. S.

Yoshida, A.: see Mattheis, F. E.

Zeidler, D. L., Lederman, N. G., and Taylor, S. C.: Fallacies and Student Discourse: Conceptualizing the Role of Critical Thinking in Science Education, 437
Zoller, U.: Faculty Teaching Performance Evaluation in Higher Science Education: Issues and Implications (A "Cross-Cultural" Case Study), 673